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Bergmann, C.C., et al., "Differential Effects of Flanking Residues on Presentation of Epitopes from Chimeric Peptides," J. Virol. 68:5306-5310, American Society for Microbiology (August 1994)											
ruO	AS Alexander, J., et al., "Derivation of HLA-All/Kb Transgenic Mice. Functional CTL Repertoire and Recognition of Human All-Restricted CTL Epitopes," J. Immunol. 159:4753-4761, The American Association of Immunologists (November 1997)										
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Kast, W.M., et al., "Protection against lethal Sendai virus infection by priming of virus-specific cytotoxic T lymphocytes with a free synthetic Proc. Natl. Acad. Sci. USA 88:2283-2287, National Academy Press (1991)	y in vivo peptide,"
AS Last, W.M., et al., "Strict peptide length is not required for the inducytotoxic T lymphocyte-mediated antiviral protection by peptide vaccina Eur. J. Immunol. 23:1189-1192, VCH Verlagsgesellschaft mbH (May 1993)	ction of tion,"
Krieger, J.I., et al., "Single amino acid changes in DR and antigen def residues critical for peptide-MHC binding and T cell recognition," J. I 146:2331-2340, American Association of Immunologists (1991)	ine mmunol.
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N.O	АТ	<u>15</u>	Escherichi	Tarker, K.C., et al., "Peptide Binding to HLA-A2 and HLA-B27 Isolated from Scherichia coli," J. Biol. Chem. 267:5451-5459, American Society for Giochemistry and Molecular Biology, Inc. (March 1992)						
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M	AS	<u>29</u>		Copy of co-pending U.S. application 08/347,610, inventors Kubo et al., filed December 1, 1994 (NOT PUBLISHED).							
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